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			U.S. F	PATENT DOCUMENTS		
Examiner	Cite	U.S.Patent [	Document		Date of Publication of Cited	
Initials* No.1		Number	Kind Code <sup>2</sup> (if known)	Name of Patentee or Applicant of Cited Document	Document MM-DD-YYYY	
$\mathscr{H}$		3,987,089		Slejko et al.	10-19-1976	
A		5,235,087		Klausener et al.	08-10-1993	
SP		6,235,673		Zoeller et al.	05-22-2001	

			<u></u>	FOREIGN	PATENT DOCUMENTS	···	
Examiner Initials*	Cite No.1	Office <sup>3</sup>	Foreign Patent Do	Kind Code <sup>5</sup> (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	T⁵
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OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS									
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<sup>1</sup>Unique citation designation number. <sup>2</sup>See attached Kinds of U.S. Patent Documents. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



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	U.S. PATENT DOCUMENTS										
Examiner Initials*	Cite No.1	U.S.Patent D Number	Nocument  Kind Code <sup>2</sup> (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY						
Spi		3,689,533		Schultz	09-05-1972						
Jr		3,717,670		Schultz	02-20-1973						
J.		3,772,380		Paulik et al.	11-13-1973						
SP		4,417,077		Drago et al.	11- 22-1983						
M		4,433,166		Singleton et al.	02-21-1984						
		4,612,387		Feitler	09-16-1986						
		4,776,987		Luft et al.	10-11-1988						
Jo		4,845,163		Panster et al.	07-04-1989						
The same		4,918,218		Mueller et al.	04-17-1990						
J		5,185,462		Evans et al.	02-09-1993						
S		5,218,140		Wegman	06-08-1993						
Po		5,237,097		Smith et al.	08-17-1993						
		5,258,549		Pimblett	11-02-1993						
JP.		5,488,143		Uhm et al.	01-30-1996						
				·							

Examiner Cite			Foreign Patent Docu	ment		Date of Publication	
Initials*	Cite No. <sup>1</sup>	Office <sup>3</sup>	Number⁴	Kind Code⁵ ( <i>if known</i> )	Name of Patentee or Applicant of Cited Document	of Cited Document MM-DD-YYYY	T€
Als:		EP	0 120 631 A1		Texaco Development Corporation	10-03-1984	
m		EP	0 759 419 A1		BP Chemicals Ltd.	02-26-1997	
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<sup>&</sup>lt;sup>1</sup>Unique citation designation number. <sup>2</sup>See attached Kinds of U.S. Patent Documents. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.



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		OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author(in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	т⁰
		P. Gelin, C. Naccache, and Y. Taarit, "Coordination Chemistry of Rhodium and Iridium in Constrained Zeolite Cavities: Methanol Carbonylation," <i>Pure &amp; Appl. Chem.</i> , vol. 60, no. 8, (1988) p. 1315-1320, Great Britain.	
H		H. Yagita, K. Omata, H. Tominaga and K. Fujimoto, "Vapor-phase Carbonylation of Methanol Over Lead on Active Carbon Catalyst," <i>Catalysis Letters</i> , 2 (1989) p. 145-148, Germany.	
		H. Yagita and K. Fujimoto, "Redox Cycle of Metal-on-Active Carbon Catalyst in the Vapor Phase Carbonylation of Methanol," <i>Journal of</i> <i>Molecular Catalyst</i> , 69 (1991) p. 191-197, Netherlands.	
A		K. Fujimoto, S. Bischoff, K. Omata and H. Yagita, "Hydrogen Effects on Nickel-Catalyzed Vapor-Phase Methanol Carbonylation," <i>Journal of</i> <i>Catalysis</i> , 133 (1992) p. 370-382.	
JP		M. J. Howard, M. D. Jones, M. S. Roberts and S. A. Taylor, "C₁ to Acetyls: Catalysis and Process," <i>Catalysis Today</i> , 18 (1993) p. 325-354, Amsterdam.	
		T. Liu and S. Chiu, "Promoting Effect of Tin on Ni/C Catalyst for Methanol Carbonylation," <i>Ind. Eng. Chem. Res.</i> , 33 (1994) p. 488-492, USA.	
H		A. Krzywicki and M. Marczewski, "Formation and Evolution of the Active Site for Methanol Carbonylation on Oxide Catalysts Containing RhCl <sub>3</sub> ," Journal of Molecular Catalysis, 6 (1979) p. 431-440, Netherlands.	
9		K. Fujimoto, H. Mazaki, K. Omata and H. Tominaga, "Promotion Effect of Hydrogen on Vapor Phase Carbonylation of Methanol Over Nickel on Active Carbon Catalyst," <i>Chemistry Letters</i> , (1987) p. 895-898, Japan.	
St		H. E. Maneck, D. Gutschick, I. Burkhardt, B. Luecke, H. Miessner, and U. Wolf, "Heterogeneous Carbonylation of Methanol on Rhodium Introduced Into Faujasite-Type Zeolites," <i>Catalysis Today</i> , 3 (1988) p. 421-429, Netherlands.	

Examiner	D	Date	10
Signature	19 sterczyk	Considered	1/12/04

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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